FOREWORD

INTRODUCTION

<u>1-OCTADECANOL</u> CAS N[•]: 112-92-5

Substance

End Point	:	IDENTIFIERS, PHYSICAL AND CHEMICAL PROPERTIES
Chemical Name	:	1-Octadecanol
Common Name	:	Stearyl alcohol
CAS Number	:	112-92-5
RTECS Number	:	RG2010000

Synonyms

Aldol 62	Alfol 18
Atalco S	Cachalot S 43
CO 1895F	Conol 1675
Conol 30F	Crodacol S
1-Hydroxyoctadecane	Kalcohl 80
Lanol S	Lorol 28
Octadecanol	n-Octadecanol
Octadecyl alcohol	Sipol S
Siponol S	Siponol SC
Stearol	Steraffine

Properties & Definitions

Molecular Formula	:	C18H38O
Molecular Weight	:	270.50
Melting Point	:	59.8C
Boiling Point	:	336C
Flash Point	:	170C
Density	:	0.8124 at 59C
Vapour Pressure	:	0.133kPa (1mmHg) at 150.3C
Octanol/Water Partition Coefficient	:	log Pow = 8.22 (calculated)
Water Solubility	:	1.1E-3mg/l at 34C
Solubility in other Solvents	:	Soluble in alcohol, acetone, ether, benzene, chloroform
Impurities	:	Up to 10% of impurities. Variable amounts of n-hexadecanol, n-tetradecanol, n-eicosanol and n-dodecanol. Maximum 2% stearyl stearate, 1% octadecane, 0.5% stearic acid and total hydrocarbons at about 1.8%.
General Comments	:	MP of commercial product = $56-60C$ and calculated VP= $1.93E-6mmHg$ are also reported. Presents a moderate fire hazard when exposed to heat or flame. Autoignition temperature = $450C$. Adsorption coef. (Log Koc = 5.81 calculated).

Overall Evaluation

SIDS INITIAL ASSESSMENT

There is need for further work.

SHORT SUMMARY OF THE REASONS WHICH SUPPORT THE RECOMMENDATION

The substance is firmly bound to sediments, and therefore anaerobic biodegradation can be an important factor. A 21-day test in daphnids indicated that the substance may be toxic at a range of between 1 and 3mg/l.

FURTHER WORK RECOMMENDED:

Determination of anaerobic biodegradability. Depending on the results of this test, it may be considered whether or not long-term fish toxicity testing is required.

Production-Trade

Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	USA
General Comments	:	In the United States production of detergent range alcohols including octadecanol was 354000 tonnes in 1987.

References

!SIDSP*

OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 7, (1993)

Production-Trade

Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	DNK
General Comments	:	According to Danish trade statistics, national use and manufacture of lauryl, stearyl and cetyl alcohols was in the range of 1000 to 10000 tonnes in 1986.
References		

!SIDSP*

OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 6, (1993)

Uses

Use	ÐS
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Chemical Name CAS Number	: :	1-Octadecanol 112-92-5			
Geographic Area	:	USA			
Use					
<u>Quantity</u>		<u>Year</u>	<u>Comments</u>		
		1981	Reported as being used in 425 cosmetic formulations at the above range of 0.5 to 50%.		
References					
Primary References	:	JACTDZ ANON. Journal of the (1985)	American College of Toxicology, Part A, 4(5), 1-29,		
Secondary References	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 7, (1993)			
Uses					
Chemical Name CAS Number	: :	1-Octadecanol 112-92-5			
Geographic Area	:	DNK			
Use					
<u>Quantity</u>		<u>Year</u>	<u>Comments</u>		
		1992	Registered in 47 non-cosmetic products on the Danish market.		
References					
Secondary References	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 6, (1993)			
Uses					
Chemical Name CAS Number	: :	1-Octadecanol 112-92-5			
Geographic Area	:	USA			
		1981	Unspecified amount used in pharmaceutical dispensing, cosmetic creams, emulsions, textile oils and finishes, antifoam agent and as a chemical raw material.		

References		
Primary References	:	12VXA5 Merck Index: An Encyclopedia of Chemicals, Drugs and Biologicals, 10, 1259, (1983)
Secondary References	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 7, (1993)

End Point Chemical Name CAS Number	: : :	Pathway into the Environment and Environmental Fate. 1-Octadecanol 112-92-5		
Pathway and Transp	DOC	't		
Pathway Pathway description	: :	NATUR Persumably of natural origin, has been isolated from plants and insects, from human sebaceous lipids, and has been found in mammalian glands and organs.		
References				
Primary Reference	:	JACTDZ ANON. Journal of the American College of Toxicology, Part A, 4(5), 1-29, (1985)		
Secondary Reference	:	!SIDSP* Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)		

Study

End Point	:	Pathway into the Environment and Environmental Fate.
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5

Test Method and Conditions

Test method : description		Mackay level 1 Environmental Partitioning Model
Temperature	:	25 C
··· · ·		

Quantity Transported

<u>Medium</u>	<u>to Medium</u>	<u>Quantity</u>	<u>Time</u>	<u>Year</u>	<u>to Year</u>
AIR Into air according	to Mackay level 1 model (0.45 % ML1EP)			
SOIL Into soil (accordin	g to ML1EP)	51.43 %			
AQ Into water (accord	ling to ML1EP)	0.00 %			
AQ Into suspended so	blids (according to ML1EP)	0.08 %			
AQ Aquatic biota (acc	ording to ML1EP)	0.03 %			
SED		48.00 %			
Sediment (accord General Comm	ents : Above valu	es are all calculated. E onto soils and sedime	•	oning will be a	almost

References

Secondary Reference :

!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1993)

End Point	:	CONCENTRATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	ESP

Test Subject

Organism Medium Specification Lifestage Sex

AQ FRESH

Species/strain/system : River water entering water works near Barcelona, Spain.

Test Method and Conditions

Test method	:	FAB mass spectrometry
description		

Test Results

<u>Matrix</u>	Concentrations	<u>Spec.</u>	<u>Date</u>
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1-Octadecanol has been identified but the concentration was not determined.

References

Primary Reference	:	WRERAQ Ventura, F. et al. Water Resources Research, 23(9), 1191, (1989)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)

Study

End Point	:	CONCENTRATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5

:

Test Results

General Comments

Environmental partitioning will be almost exclusively onto soils and sediments. Stearyl alcohol (presumably of natural origin) has been isolated from plants and insects, from human sebaceous lipids and has been found in mammalian glands and organs. (ref. Journal of the American College of Toxicology. vol.4, no.5, 1985. pp.1-29)

References

Production Volume Chemicals Programme, 10, (1993)	Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)
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Study

End Point	:	CONCENTRATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	USA

Test Subject

Organism Medium Specification Lifestage Sex

AQ INDST

Species/strain/system : Industrial effluent discharged into the Illinois river.

Test Results

<u>Matrix</u>	Concentrations	<u>Spec.</u>	<u>Date</u>
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1-Octadecanol has been identified but the concentration was not determined.

References

Primary Reference	:	JTEHD6 Somani, S. et al. Journal of Toxicology and Environmental Health, 6, 315-331, (1980)
Secondary Reference	:	!SIDSP* Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)

Study

End Point	:	CONCENTRATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	USA

Test Subject

Organism Medium Specification Lifestage Sex

AIR

Species/strain/system :

Indoor aerosol samples from large building in U.S.A. Particle sizes from 1.1 to 2um.

Test Method and Conditions

Test method : GC-MS description

Test Results

Matrix Concentrations

<u>Spec.</u> <u>Date</u>

1-Octadecanol has been identified but the concentration was not determined.

References

Primary Reference	:	ESTHAG Weschler, C. Environmental Science and Technology, 14(4), 428-431, (1980)
Secondary Reference	:	!SIDSP* Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)

End Point	:	HUMAN INTAKE AND EXPOSURE
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5

Test Subject

Organism Medium Specification Route Lifestage Sex

HUMAN

Test Results

<u>Intake</u>

<u>Spec.</u> Date

BW

1-5 mg/d

Expected daily exposure through use of consumer products (cosmetics)

0.015-0.075 mg/kg

Expected daily exposure for a person weighing 70kg.

<1 mg/d

Ingested per day as 1-octadecanol as an ingredient in lipsticks

3782 mg/y

An annual dermal potential dose with 5% content in a bar of soap used daily (according to the U.S. EPA dermal model, worst case scenario).

General Comments : There are many sources of potential consumer exposure. The most intense probably being through the use of creams and cosmetics. Inhalation is unlikely to be a significant exposure route. (See evaluation of the health aspects of stearyl alcohol as a food ingredient, FDA 223-78-2100, 1980).

References

Secondary Reference :

!SIDSP*

OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1993)

End Point Chemical Name CAS Number Study type	:	BIODEGRADATION 1-Octadecanol 112-92-5 LAB
Exposure		
Exposure Period	:	2-16 d
Test Results		
<u>Quantity</u>	<u>Time</u>	Comments on result
		BOD: T/2 ranges from 2 to 16 days. (Painter 1974)
100 mg/l		COD
67 %	28 d	BOD/COD
General Comment	s :	The manufacture considers this as evidence of "ready" biodegradability. However, this test requires continuous shaking, and, as only 67% of the substance had been degraded at the conclusion of the test, the result may better be thought of as an indication of "inherent" biodegradability. Possibly the very low solubility of the test substance (0.0011g/l at 34C) limits bioavailability and thus ready degradation. The test result can perhaps best be interpreted as being near the bordeline between ready and inherent biodegradation.
References		
Secondary Reference :		ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, (1993)

HYDROLYSIS
1-Octadecanol
112-92-5
LAB
AQ
FRESH

Test Results

<u>Quantity</u>	<u>Time</u>	Comments on result	
50 %		Hydrolysis T/2 estimated at 1000 days (practically inert).	
References			
Primary Reference	:	HKBAD* Henkel. Bestimmung der Akuten Daphientoxizitat von Octadecanol im Daphnietest nach DIN 38412 (Test of Octadecanol on Acute Toxicity to Daphnia according to DIN 38412), 01(2), (1988)	
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 4, (1993)	

Sorption

Study

End Point Chemical Name CAS Number	: : :	SORPTION 1-Octadecanol 112-92-5
Test Results		
General Comments	:	The water solubility of this substance is too low to allow a reliable estimate of partitioning. Can be expected to bind strongly to soils, sediments and particles.
References		
Primary Reference	:	XQSAR* Veith, G. et al. EPA QSR System, Environmental Research Lab (ERL), (1985)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 9, (1993)

End Point	:	ABSORPTION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

Test Subject

Organism Medium Specificat	ion Route Lifestage Sex Number exposed Number controls
BIRD	ORL ADULT
Species/strain/system :	White Leghorn chickens
Exposure	
Exposure Type :	SHORT
Dose / Concentration :	10 % DIET
Exposure comments :	Feeding studies with 1-octadecanol at 10% in the diet, to determine digestibility
Test Results	
Quantity Absorbed Time	Comments on result
	Digestibility was determined as 0%
References	
Primary Reference :	JAFCAU ANON. Journal of Agricultural and Food Chemistry, 35(10), 1610-16, (1971)
Secondary Reference :	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 27, (1993)

Study

End Point	:	ABSORPTION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

	<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	<u>Lifestage</u>	<u>Sex</u>	Number exposed	Number controls
	RAT		ORL PAR				
	Species/strain/syster	m : S	Sprague-D	awley rats			
Tes	t Substance Labelled Compound	: 1	I-Octadeca	nol labelled wi	th C14	L	
(DDT							

Exposure	
Exposure Type : Exposure comments :	SHORT Test substance was labelled with C14 and administered via duodenal or aortic cannula. Blood and lymph were monitored at intervals up to 24h. Distribution of radioactive substance and biochemical analyses were examined.
Test Results	
Quantity Absorbed Time	Comments on result
	Absorption of the compound appeared to be a function of its lipid solubility. 56.6% (+/- 14%) was in the lymph. Of this more than half was found in the triglycerides, 6-13% in phospholipids, 2-8% in cholesterol esters, 4-10% unchanged as octadecanol.
	90% of the octadecanol was carried in the chylomicron fraction of blood.
References	
Primary Reference :	JACTDZ ANON. Journal of the American College of Toxicology, Part A, 4(5), 1- 29, (1985)
Secondary Reference :	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 27, (1993)

End Point	:	DISTRIBUTION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	Lifestage Sex Number exposed Number controls
BIRD		ORL PAR	ADULT
Species/strain/syste	m :	White legh	norn chickens
Test Substance			
Labelled Compound	:	1-Octadeca	nol. C14
Exposure			
Exposure Type	:	SHORT	
Exposure comments	; <u>;</u>	cannula, b	ed test substance was administered through duodenal or aortal lood and lymph were monitored at intervals up to 24h. n of radioactive substance was measured.
Test Results			
Organ Quantity		Time	Comments on result
INT			Analysis of homogenated intestinal wall showed 56.6% (+/-14%) of the substance present in the lymphatic system of the intestine.
BLOOD			Analysis of blood compartments showed 90% of test substance in the chylomicron fraction.
References			
Primary Reference	:	JACTDZ ANON. Joi 29, (1985)	urnal of the American College of Toxicology, Part A, 4(5), 1-
Secondary Reference	ce :		DS. Screening Information Data Set (SIDS) of OECD High Nolume Chemicals Programme, 27, (1993)

End Point	:	BIOCONCENTRATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5

Test Results

Organ	Bioconcent. Factor	Calc Basis	Time	State	Comments on result
	100000				Calculated results based on method of Veith, G. et al. (1980).
Gen	eral Comments	:	The wate		lity of this substance is too low to allow a reliable tioning.
Refere	nces				
Prin	nary Reference	:	XQSAR* Veith, G. (1985)		PA QSR System, Environmental Research Lab (ERL),
Seco	ondary Referenc	e :		IDS. Sci	reening Information Data Set (SIDS) of OECD High ne Chemicals Programme, 9, (1993)

End Point	:	METABOLISM
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	Lifestage Sex Number exposed Number controls
RAT		ORL PAR	
Species/strain/syste	em :	Sprague-D	Dawley rats
Test Substance			
Labelled Compound	d :	C14 labelle	d 1-octadecanol
Exposure			
Exposure Type Exposure comment	: s :	cannula. B	ed 1-octadecanol was administered via duodenal or aortal Blood and lymph were monitored at intervals up to 24h post tion. Distribution and biochemical analysis were assessed.
Test Results			
Organ Quantity		Time	Comments on result
			From the absorbed fraction more than half was metabolized to triglycerides, 6-13% to phospholipids, 2- 8% to cholesterol esters, and 4-10% remained as unchanged octadecanol after 24h period, from dosing.
References			
Primary Reference	:	JACTDZ ANON. Jo 29, (1985)	urnal of the American College of Toxicology, Part A, 4(5), 1-
Secondary Referen	ce :		DS. Screening Information Data Set (SIDS) of OECD High N Volume Chemicals Programme, 27, (1993)

End Point : Chemical Name : CAS Number :	MAMMALIAN ACUTE TOXICITY 1-Octadecanol 112-92-5
Species/strain/system : Dose / Concentration :	Wistar rats 5.0 g/kg
Test Method and Con	ditions
Test method : description	OECD No. 401, Limit test.
Test Results	
<u>Organism Medium</u> Spec.	Route Lifestage Sex Effect Effect Comments
RAT	ORL LD50 Oral LD50 for wistar rats was estimated as >5.0g/kg/body weight.
General Comments :	No mortality among the experimental animals at the dose up to 5.0g/kg/body weight.
References	
Secondary Reference :	ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 17, (1993)

End Point	:	MAMMALIAN TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	<u>Lifestage</u> <u>Sex</u>	Number exposed	Number controls
RAT		IHL			
Species/strain/system	n : Strair	not indica	ted		
Test Method and	Conditio	าร			
Test method description				on of 10% 1-octadeca delines for variable du	nol in 55% ethanol for uration of testing.
Exposure					
Exposure Period Dose / Concentration	:2h :10%				
Test Results					
LC50 for acute inhalatio <i>General Comments</i>	,	xposure wa	•	perimental conditions. vithout effect. No furth	er details were
References					
Secondary Reference	OECI	D/SIDS. Sc		n Data Set (SIDS) of gramme, 17-18, (199	

End Point Chemical N CAS Nun Study type Geographic	lame nber e		tadecano	TOXICITY I			
Test Subjec	t						
<u>Organism</u>	<u>Medium Spe</u>	ecification	<u>Route</u>	<u>Lifestage</u>	<u>Sex</u> N	lumber exposed	Number controls
RAT			ORL		M F	10/DOSE 10/DOSE	10 10
Species/str	ain/system	: Sprag	ue-Dawley	v rats strain			
Test Substa	nce						
Vehicle - S	Solvent	: Olive	oil				
Test Metho	d and Co	onditio	าร				
Test metho description	d	: OECI Test).		e No. 407; a 2	28-day or	ral Toxicity Test (Re	epeated Dose Toxicity
Exposure							
Exposure I Dose / Con Exposure c	centration	: Ten a 1000r		each sex pe			e control), 100, 500 or tion of 1-octadecanol
Test Results							
Organ	Effect	Rev.	OnS	ot	Sex	Affected ir Exposed - C	
Organ 							
Dose at whic General C		: There anato obser	was no su mical or hi ved after 2	ibstance rela stopathologi	ted effect cal param ily oral ac	000mg/kg/body wei ts: no effects notec neters. No cummul dministration of 1-c	d on biochemical ative effects were
References	5						
Secondary	Reference)/SIDS. Sc			Data Set (SIDS) of (amme, 20, (1993)	OECD High

End Point	:	MAMMALIAN TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

Organism I		Specification	Route	Lifestage	Sex	Number exposed	Number controls
RBT	<u>nouldini</u>	opeeniealer	SKN	<u></u>	<u></u>	10/DOSE	10
Species/stra	ain/systei	<i>m :</i> Rabl	oit, strain ur	specified			
Test Substa							
Description		s <i>t ·</i> Crea	m containir	ng 8% of test	ed subs	tance.	
substance				.9 0 /0 01 1001			
Test Method	d and	Conditic	ns				
Test metho description	d	: OEC	D Guideline	es for Repeat	ed Dos	e Toxicity-Dermal	
Exposure							
Dose / Concentration : 8.8-13.2 mg/cm2 Exposure comments : 2 groups of 10 animals each received topical applications of the cream containing 8% 1-octadecanol 3d/wk for 3 months. One group received a dose of 8.8mg/cm2 on 8.4% of body surface, the other group received 13.2mg/cm2 on 11.2% of body surface. 10 animals served as untreated control.							
Test Results				,			
Organ		Barr	0.0		Cav	Affected in	
Organ 	Effect	Rev.	OnS 	et 	Sex	Exposed - C	ONTOIS
SKIN	CIRC STRUC	!					
The product	caused sli	ight to well defi	ned erythei	ma and mild	desquar	mation during the fir	st month of treatmen
sкіn At necropsy : <i>General Cc</i>		of mild inflam <i>:</i> Apar attrib were	t from local outable to to found in he	changes the pical exposu	re was re of 1-o and blo	no evidence of syste octadecanol. No trea od chemistry deterr	emic toxicity atment related effects ninations, urinanalysi
References							
Primary Re	ference	; JAC					
		ANC	in. Journai	of the Americ	an Coll	ege of Toxicology, I	Part A, 4(5), 14, (198

End Point Chemical Name CAS Number Study type Geographic Area	: 1-0				
Test Subject					
<u>Organism</u> <u>Medium</u> <u>S</u>	Specificatio	<u>n Route Lifes</u>	age <u>Sex Nu</u>	<u>ımber exposed</u>	Number controls
MOUSE		SKN	F	30	
Species/strain/system	; Swi	ss mouse strain			
Test Substance					
Purity Grade	: 97%	6			
Exposure					
Dose / Concentration Exposure comments	octa ther	mg emale mice were tre decanol. Skin was p eafter treated with 2 ks (about 0.4mg of	oretreated with of octadeca	dimethylbenz(a)a nol in cyclohexar	nthracene and
Test Results					
Organ Effect	Rev.	OnSet	Sex	Affected in Exposed - C	
SKIN STRUC			F		
1 local papilloma was ob General Comments	: The con com	authors state that t	ne initiation dos nol is probably a entional design	e alone is non-ca a weak tumor-pro of the test, and s	moter. OECD/SIDS
References					
Primary Reference		PA9 , J. Toxicology and	Applied Pharm	acology, 8, 70-74	ł, (1966)
Secondary Reference		SP* CD/SIDS. Screening duction Volume Che			

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End Point	:	CARCINOGENICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	DNK

<u>Organism</u> <u>Me</u>	edium <u>Sp</u>	ecification	Route Lifestage	<u>Sex</u> Nur	nber exposed	Number controls		
MOUSE			PAR		56	42/GROUP		
Species/strai	n/system	: Strain ur	specified					
Test Method	and Co	onditions						
Test method : OECD Guideline for Carcinogenicity Testing description								
Exposure								
Exposure cor	nments	weighting after surg evidence		vere inserte imals were s nals survivin	d into bladders of sacrificed and ex			
Test Results								
Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - C			
were observed	(1 stage II a of 42 anima	and 1 stage III Is each which A numbe carcinom	175 days, 7 benign t tumor). There were had not received bla er of other substance has. These included ence of carcinoma.	no tumors, k adder implan es tested in t	penign or malign hts. this series also p	ant among the 3		
References								
Primary Reference : CNREA8 Bryan, G. Cancer Research, 26, 105-109, (1966)								
Bryan, G. Cancer Research, 26, 105-109, (1966) Secondary Reference : ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 25, (1993)								

End Point	:	CARCINOGENICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

<u>Organism</u> <u>Medium</u>	<u>Specifications and specifications and specifications are specifications and specifications are specifications and specifications are specifications and specifications are specificatio</u>	<u>n Route</u>	<u>Lifestage</u>	<u>Sex</u>	Number exposed	Number controls
MOUSE		IPR			4/GROUP	4
Species/strain/syste	<i>m :</i> Sw	ss albino dd	y strain			
Exposure						
Exposure Period Dose / Concentratio Exposure comments	s : Gro As exp	ites Tumor o	5-week old m cells (1 millior doses of 2.5	n cells	re implanted intra-pe per mouse). After 24 ng/mouse/day of octa	h, the mice were
Test Results						
Survival time was incre group relative to untre <i>General Comments</i>	ated controls <i>:</i> "Th	18.0 days ai e small num	nd 18.3 days	respec s used	ctively). I makes assessment	
References						
Primary Reference		REA8 lo, K. et al. C	Cancer Resea	arch, 32	2, 125-129, (1972)	
Secondary Referen	OE				n Data Set (SIDS) of gramme, 25-26, (199	

End Point:Chemical Name:CAS Number:Study type:Geographic Area:	MUTAGENICITY 1-Octadecanol 112-92-5 LAB DNK
Test Subject	
Organism Medium Specific	cation Route Lifestage Sex Number exposed Number controls
BACT	VTR
Species/strain/system :	Bacteria, Salmonella typhimurium, strains: TA98, TA100, TA1535, TA1537
Test Method and Conc	ditions
Test method : description	Ames test
Exposure	
Dose / Concentration : Exposure comments :	3umol Ames test. The substance was spot tested at one concentration 3umol/plate = total of 815ug/plate in all strains, both with and without metabolic activation with S-9.
Test Results	
Organ Effect R	Affected in ev. OnSet Sex Exposed - Controls
No evidence of mutagenicity wa <i>General Comments</i> :	
References	
Primary Reference :	TXCYAC Florin, I. Toxicology, 18, 219-232, (1980)
Secondary Reference :	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 22, (1993)

Study

End Point Chemical Name CAS Number Study type Geographic Area	MUTAGENICITY 1-Octadecanol 112-92-5 LAB DNK	
Test Subject		
<u>Organism</u> <u>Medium</u> <u>Sp</u>	cification Route Lifestage Sex Number exposed Number con	<u>trols</u>
BACT	VTR	
Species/strain/system	Bacteria, Salmonella typhimurium, strains: TA1538, TA1535 TA1537, TA100, TA98	
Test Substance		
Description of the test substance	Stearyl alcohol from SIGMA chemical company	
Test Method and C	nditions	
Test method description	Ames test	
Exposure		
Exposure comments	: Ames test for spot testing of 1-octadecanol at concentration of 50mg/pl all strains both with and without metabolic activation with S-9.	late in
Test Results		
Organ Effect	Affected in Rev. OnSet Sex Exposed - Controls	
either with or without meta	ivity observed under the condition of this test. There was no toxic effect repo olic activation. There was no precipitation observed at the concentration use The conclusion drawn by the authors was that the concentration of the substance tested was so low that the value of the test was not fully pre-	ed.
References		
Primary Reference	 JEHSDH Blevins, R. et al. Journal of Environmental Sciences and Health, Part C Environmental Health Sciences, A17(2), 217-239, (1982) 	`, ',
Secondary Reference	 : ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 22-23, (1993) 	

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End Point	:	MUTAGENICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

Test Subject

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	Lifestage Sex Number exposed Number controls
BACT		VTR	
Species/strain/syster	<i>n :</i> Salmo TA100	21	himurium strains: TA1535, TA1537, TA1538, TA98

Test Method and Conditions

Test method description	:	Ames test.
Exposure		
Dose / Concentration Exposure comments	: :	0.63-20.0 ug/ PLATE Concentrations of 0, 0.63, 1.25, 2.5, 5.0, 10.0 and 20.0 microgram/plate, were used with and without metabolic activation by S9. All experiments were performed twice, and results were averaged.
Test Results		
		Affected in

	NEF					
Organ	Effect	Rev.	OnSet	Sex	Exposed - Controls	
					Allected III	

No significant increase in the number of histidine + revertants/plate relative to controls was observed at any concentrations tested, with and without metabolic activation.

References

Primary Reference	:	NKEZA4 Hacmiya, N. Japanese Journal of Public Health, 29(5), 236-239, (1982)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 21-22, (1993)

End Point Chemical Nan CAS Number Study type Geographic Ar	r : :	MUTAGENICI 1-Octadecano 112-92-5 LAB DNK				
Test Subject						
<u>Organism</u> <u>Mee</u>	<u>dium Spec</u>	ification <u>Route</u>	<u>Lifestage</u> S	Sex Nun	nber exposed	Number controls
MOUSE		ORL			6/DOSE	6
Species/strain,	/system :	Strain not speci	fied			
Test Substanc	e					
Vehicle - Solv	ent :	Olive oil				
Test Method	and Cor	nditions				
Test method description	:	Micronucleus te	st. Japanese G	iuidelines	of testing.	
Exposure						
Dose / Concer Exposure com			ice each receiv additional grou	up of five	mice received for	36, 0.73 or 1.45g/kg our doses (oral) of
Test Results			-			
0			Set	Sex	Affected in Exposed - C	Controls
1	NEF	notoxic effect accor				
References						
Primary Refer	ence :	NKEZA4 Hacmiya, N. Jaj	oanese Journal	l of Public	Health, 29(5), 2	236-239, (1982)
Secondary Re	ference :	!SIDSP* OECD/SIDS. So Production Volu				OECD High

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End Point	:	SENSITIZATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	DNK

Test Subject

<u>Organism</u> <u>Medium</u>	<u>Specific</u>	cation Route	<u>Lifestage</u> <u>Sex</u>	Number exposed	Number controls
GPIG		SKN		25	5/GROUP
Species/strain/syste	m :	Guinea pigs, str	ain not specified		
Test Substance					
Description of the tes substance	st :	Deodorant conta	aining 24% of 1-oc	tadecanol	
Vehicle - Solvent	:	Petrolatum			
Exposure					
Dose / Concentration Exposure comments		applications, 14	-day period withou determination of s	n method consisting of t treatment followed b kin sensitization. Cont	

Test Results

	Organ	Effect	Rev.	OnSet	Sex	Exposed -	Controls
	SKIN	ALLER INC				1/25	1/5
	One of 25 trea	ated animals e	exhibited an	equivocal score 24 ho	urs post ap	oplication to in	tact skin sites.
	One of 5 petro skin sites.	olatum control	animals sho	owed an equivocal rea	ction score	e 24 hours pos	at application to intact
	General Col	mments	concer	Ithors concluded that 1 Itration of 12% in petro the tested substance)	leum from	an unidentifie	d deodorant (containing
Re	ferences						
	Primary Rei	ference	; JACTE ANON		an College	e of Toxicology	/, Part A, 4(5), 18, (1985)
	Secondary I	Reference		o* /SIDS. Screening Infor tion Volume Chemical		. ,	0

Affected in

Study End Point : Chemical Name : CAS Number : Geographic Area :	SENSITIZATION 1-Octadecanol 112-92-5 DNK
Test Subject	
<u>Organism</u> <u>Medium</u> <u>Speci</u>	fication Route Lifestage Sex Number exposed Number controls
HUMAN	SKN 172-824
Test Substance	
Vehicle - Solvent :	Petrolatum
Test Method and Con	ditions
Test method : description	According to North American Contact Dermatitis Group Study Designs.
Exposure	
Exposure Period : Exposure comments :	1-4 y Patch test with 30% stearyl alcohol in petrolatum was assessed after 48 and 96 hours. The test was conducted during several one-year periods on large numbers of human subjects.
Test Results	
Organ Effect I	Affected in Rev. OnSet Sex Exposed - Controls
	 2/172
In 1975-1976 one-year study o	ut of 172 tested. 2 showed allergic reaction (1.2%)
SKIN ALLER In 1976-1977 one-year study c	1/446 ut of 446 tested. 1 showed allergic reaction (0.22%)
SKINALLERIn 1978-1979 one year study ostudy out of 634 tested. 6 showGeneral Comments	6/634 ut of 824 tested. 6 showed allergic reaction (0.73%). In 1979-1980 one year ved allergic reaction (0.95%) There were several other studies performed testing skin sensitization potential of stearyl alcohol (1-octadecanol). The results were negative for skin sensitization. According to the authors, the positive results above indicate a very mild sensitization potential.
References	
References Primary Reference :	JACTDZ ANON. Journal of the American College of Toxicology, Part A, 4(5), 1-29, (1985)

End Point	:	IRRITATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

Test Subject

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	Lifestage Sex Number expos	ed Number controls
HUMAN		SKN	80	
Exposure				
Exposure Type Dose / Concentratior Exposure comments		6 insult occ	ulsive patch test using 100% stearyl	alcohol. Assessment after

Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls
SKIN	IRRIT				1/80
A	·		00 hours and a sub-tainte		

A mild irritation was found in one out of 80 human subjects.

References

Primary Reference	:	JACTDZ ANON. Journal of the American College of Toxicology, Part A, 4(5), 1-29, (1985)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 27, (1993)

Study

End Point	:	IRRITATION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB
Geographic Area	:	DNK

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	Lifestage	<u>Sex</u>	Number exposed	Number controls
RBT		EYE			6	
Species/strain/syster	<i>n :</i> Rabb	t, strain no	ot specified			

Irritation

exposu	е					
	ure Type ure comments	: :		one eye of ea	ch of the e	ate commercial sources was instilled experimental animals. The irritation
Test Res	ults					
Orgar	Effect	R	ev. OnS	Set	Sex	Affected in Exposed - Controls
was re			tation reported fo	r the remaining	sample. S	faximum score of 5 (scale 0 - 110) Scores decreased to 0 by day 4. s as minimal eye irritation.
Referen	ces					
Prima	nry Reference	:	JACTDZ ANON. Journal (1985)	of the America	n College	of Toxicology, Part A, 4(5), 14-15,
Secor	ndary Reference	:	!SIDSP* OECD/SIDS. So Production Volu			a Set (SIDS) of OECD High ne, 19, (1993)
Study						
Chem CAS Study	Point ical Name Number ⁄ type aphic Area	••••••••	IRRITATION 1-Octadecand 112-92-5 LAB DNK	bl		
Test Sub	oject					
	-	pecific	cation Route	<u>Lifestage</u>	<u>Sex Nun</u>	nber exposed Number controls
RBT			SKN	ADULT		9
<i>Specie</i> Exposur	es/strain/system	:	Rabbit, strain no	ot specified		
Expos	ure Type ure comments	: :	ACUTE Each sample wa	as applied in fu	III strength	under occlusion to the clipped skin for
Test Res	ults					
Orgar	Effect	R	ev. Ons	Set	Sex	Affected in Exposed - Controls
	IRRIT n scores of 0.4, 0.8 ral Comments	 5, 1.42 <i>:</i>		e interpreted b		24 hours of full strength exposure. ors as indicating minimal to mild

References		
Primary Reference	:	JACTDZ ANON. Journal of the American College of Toxicology, Part A, 4(5), 15, (1985)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 18-19, (1993)

End Point	:	REPRODUCTION
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Geographic Area	:	DNK

Test Subject

<u>Organism</u> <u>Medium</u>	Specification Rou	te <u>Lifestage Sex i</u>	Number exposed	Number controls		
RAT	OR	L M F				
Species/strain/system	: Wistar (Mol/	WIST) SPF strain				
Test Substance						
Description of the test	: 1-Octadecar	ol (Sigma L 5751)				
substance Purity Grade	: 99%					
Test Method and (Conditions					
Test method description						
Exposure						
Exposure Type Dose / Concentration Exposure comments		g/kg BW ⁶ 0, 100, 500 or 2000mg	/kg body weight/day	was administered in		
Test Results						
Organ Effect	Rev. C	DnSet Sex	Affected ir Exposed - C			
NEF No observed effect level >2000mg/kg body weigh OFSPR NEF NOEL for F1 generation General Comments	was established as > : 1-Octadecan body weight/		t/day n the diet at dosages oxic effect on reprod	s up to 2000mg/kg luction or on the		

References

Secondary Reference : !SIDSP*	
	S. Screening Information Data Set (SIDS) of OECD High Volume Chemicals Programme, 26, (1993)

5							
End Point Chemical Name CAS Number	: : :	AQUATIC ACUTE TOXICITY 1-Octadecanol 112-92-5					
Species/strain/system Exposure Period Dose / Concentration	: : :	Mosquito (Aedes aegypti) age: 2-14 days 24-72 h 8.2-101 ml/m2					
Test Method and C	ond	ditions					
Test method description Temperature	: :	Hexane was used as solvent in both tests. The solvent itself showed no harmful effects on the larvae. See under general comments for details. 25-27 C					
Test Results							
<u>Organism</u> <u>Medium</u> <u>S</u> Į	Dec.	<u>Route</u> <u>Lifestage</u> <u>Se</u>	<u>c</u> <u>Effect</u>	Effect Comments			
INSEC AQ FF	RESH	EGG LARVA	LD50	LD50 eggs = 8.2ml/m2; LD90 eggs = 14.5ml/m2; LD50 juvenile,(1-4th instar larvae, pupae) = 23.4-77.1ml/m2; LD90 juvenile,(1-4th instar larvae, pupae) = 28.1-101.0ml/m2			
PUPA General Comments : Mortality based on difference between larval count, between control and stugroup. LD50 based on field application of litre/hectar. Eggs were immersed 150ml of hay infusion in jars of 51cm2 surface area. 150-250 embryonated eggs per jar. Each trial carried out in triplicate at 10 different concentrations Each series of tests repeated 10 times. Larvae and pupae, 25 of each treat as above with minimum of 5 different concentrations of test substance, each series of tests repeated 10 times. Mortality interpreted as failure of larvae to move.							
References							
Primary Reference	:	TRSTAZ Transactions of the Royal S 38, (1983)	ociety of	Tropical Medicine and Hygiene, 77(1), 35-			
Secondary Reference	:	 : ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 14, (1993) 					
Study							
End Point Chemical Name CAS Number	: : :	AQUATIC ACUTE TOXI 1-Octadecanol 112-92-5	CITY				
Species/strain/system	:	Golden Orf (Leuciscus idus)				

Exposure Period : 96 h

Test Results

<u>Organism</u>	<u>Medium</u>	<u>Spec.</u>	<u>Route</u>	<u>Lifestage</u>	<u>Sex</u>	<u>Effect</u>	Effect Comments
FISH	AQ	FRESH				LC50	LC0 >10000 and LC50 >10000 mg/l. (Purity of test substance questionable)
General	Comments	:	estimated (Water sol substance	water solubil ubility = 2.05	ity of th E-04 (not pur	ne subst calculate	stated concentration exceeds the tance by a factor of about 50 million. ed)). It is possible that the actual decanol, but a commercial mixture also
Reference	es						
Seconda	ry Referend	ce :					Data Set (SIDS) of OECD High amme, 14, (1993)

End Point	:	AQUATIC TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

Test Subject

<u>Organism</u> <u>Medium</u>	Specification	<u>Route</u>	<u>Lifestage</u>	<u>Sex</u>	Number exposed	Number controls
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ALGAE AQ FRESH

Species/strain/system : Green algae (Scenedesmus subspicatus)

Test Method and Conditions

Test method : DIN 38412 part 9. (Approximates OECD Guideline 201). GLP: yes. *description*

Test Results

	Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls
	Effect concent	EC10 ration EC10	= 21 mg/l			
	EC50 = 240 m	EC50 Ig/l				
Ref	erences					
	Primary Ref	erence	•		mtest nach (Cell Inhibition Test on Algae),
	Secondary R	Reference				ata Set (SIDS) of OECD High nme, 13, (1993)
			Produ	uction Volume Chemi	cals Program	nme, 13, (1993)

Study

End Point	:	AQUATIC TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

Test Subject

<u>Organism Medium</u> <u>Specification</u> <u>Route</u> <u>Lifestage</u> <u>Sex</u> <u>Number exposed</u> <u>Number controls</u>

CRUS AQ FRESH

Species/strain/system : Water flea (Daphnia magna)

Test Method and Conditions

Test method	:	DIN 38412 part 2, corresponds approximately with OECD Guideline 202 part
description		1. No information given regarding the use of solvents or emulsifiers, the test
, · · ·		substance apparently having been added directly.

Exposure

Exposure Type	:	ACUTE
Exposure Period	:	48 h
Dose / Concentration	:	980-2900 mg/l
Exposure comments	:	Doses of 1700mg/l were also tested.

Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls

EC0

Effect concentration EC0 = 980mg/l for 48h.

EC50

EC50 = 1700 mg/l for 48h.

EC100

EC100 = 2900 mg/l for 48h.

LOEC

The concentration of test substance producing any effect are about 1000000 times the water solubility (water solubility = 1.1E-3mg/l)

References

Primary Reference	:	HKBAD* Bestimmung der Akuten Daphientoxizitat von Octadecanol im Daphnietest nach DIN 38412 (Test of Octadecanol on Acute Toxicity to Daphnia according to DIN 38412), 11 RE920029, (1992)
Secondary Reference	:	ISIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 12, (1993)

Study

End Point	:	AQUATIC TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

Test Subject

Organism Medium Specification Route Lifestage Sex Number exposed Number controls

CRUS AQ FRESH

Species/strain/system : Water flea (Daphnia magna)

	ubstance		000/			
Pu	rity Grade	:	98%			
Test M	lethod and	Cond	ditions			
	t method cription	:	directly without	using solvents	s or emulsi	t. GLP: yes. Octadecanol was added fier. Observations made with regard to first appearance of decendants.
Expos	ure					
	oosure Type oosure Period	: :	LONG 21 d			
Test Re	esults					
Org	ian Effect		ev. OnS	Set	Sex	Affected in Exposed - Controls
0.98	NOEC observed effect cor 3 mg/l neral Comments					solubility = (1,1 E-3mg/l). NOEC = ehaviour of daphnia (surface floating
Refere	ences					
	Primary Reference : HKBCD* Bestimmung der Chronischen Daphnientoxizitat von Octadecanol im Verlanerten Daphnientest (Prolonged Test on Chronic Toxicity of Octadecanol to Daphnia), 920096, (1992)					
Sec	condary Referenc	ce :	!SIDSP* OECD/SIDS. So Production Volu			ta Set (SIDS) of OECD High me, 13, (1993)
Study						
Che CA	nd Point emical Name NS Number udy type	: : :	AQUATIC TO 1-Octadecand 112-92-5 LAB			_
Test Su	ubject					
<u>Org</u>	anism <u>Medium</u>	<u>Specifi</u>	cation Route	<u>Lifestage</u>	<u>Sex</u> <u>Nu</u>	mber exposed Number controls
FISI	H AQ	ESTUA				48
Spe	ecies/strain/syste	<i>m</i> :	Rainbow trout (0	Oncorhynchus	s mykiss) v	veight: 30-40g

Test Method and Conditions

Test method	:	Static test
description		

Exposure

	Period ncentration comments	: !	ACUTE 96 h 1-1000 r Doses of	ng/l f 10 and 100mg/l	were also test	ted	
Organ	Effect	Re	/.	OnSet	Sex	Affecte Exposed -	
No toxicity v Reference		There	vere two	e deaths which we	ere not dose-re	elated	
Primary R	eference	•	BFPIAB Gorin, J.	et al. Bulletin Fr	ancais de Pisc	cisculture, 277	, 163-185, (1980)
Secondary	/ Reference			IDS. Screening I on Volume Chen			of OECD High
Study							

Study

End Point	:	AQUATIC TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

<u>Organism</u> <u>Medium</u>	Specification Route Lifestage Sex Number exposed Number controls
FISH AQ	ESTUA
Species/strain/syste	<i>m :</i> Rainbow trout (Oncorhynchus mykiss)
Exposure	
Exposure Period Dose / Concentratio Exposure comments	

Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls
	RESP				

At concentration of 1000mg/l (reported as ppm), a statistically significant drop in oxygeno-dependence level occurred both during the exposure period and after 2h recuperation in pure water.

METAB NEF

Concentrations of 2-3mg/l (reported as ppm) seemed to have no effect on the rest of the metabolism.

EGG REPRO

The fertility of eggs was significantly reduced (p<0.01) following 40 minutes exposure to 100mg/l.

SPERM REPRO

Induced significant drop in fertilizing ability of sperm following exposure for 20 or 40 minutes and concentrations of 1, 10, 100 or 1000mg/l.

References

Primary Reference	:	BFPIAB Billard, R. Bulletin Francais de Piscisculture, 271, 3-8, (1978)
Secondary Reference	:	!SIDSP* OECD/SIDS. Screening Information Data Set (SIDS) of OECD High Production Volume Chemicals Programme, 10, (1993)

End Point	:	TERRESTRIAL TOXICITY
Chemical Name	:	1-Octadecanol
CAS Number	:	112-92-5
Study type	:	LAB

Test Subject

<u>Organism Medium</u> <u>Specification</u> <u>Route</u> <u>Lifestage</u> <u>Sex</u> <u>Number exposed</u> <u>Number controls</u>

BACT

Species/strain/system : Bacteria (Pseudumonas putida)

Test Substance

Description of the test : Lorol C18 substance

Test Method and Conditions

Test method	:	Oxygen consumption test
description		

Exposure

Exposure Type	:	ACUTE
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Test Results

Organ	Effect	Rev.	OnSet	Sex	Affected in Exposed - Controls				
Effect cond	EC50 centration EC0 >	• 100 mg/l							
References									
Primary	Reference	Datenl	HKDBA* Datenblatt fur Altstoffe (Datasheet for Existing Chemical (1-Octadecanol)), 1, 2, (1988)						
Seconda	ry Reference				ta Set (SIDS) of OECD High nme, (1993)				

Substance

Chemical Name : Reported Name : CAS Number :		stearyl alcohol 112-92-5			
<u>Area Type Subject Spec.</u>	Description	Level / Summary Info	mation :		
CSK REG FOOD - GOODS	PRMT MXL	COMPONENT OF PLASTIC PRODUCTS PERMITTED FOR CONTACT WITH FOOD. MAXIMUM LIMIT FOR THE PLASTIC MATERIALS: 20MG/G. <u>Title</u> : DIRECTIVE NO.49 ON HYGIENIC REQUIREMENTS ON PLASTICS AND PLASTIC GOODS COMING IN CONTACT WITH FOODSTUFFS			
		Reference : HPMZC*, 42, 1978 Effective Date : 1JUL1978			
			HYGIENICKE PREDPISY MINISTERSTVA ZDRAVOTNICTVI CSR (HYGIENIC REGULATIONS OF MINISTRY OF HEALTH OF CSR)		
		Last Amendment :		<u>Entry / Update :</u>	DEC1991
Substance					

odiostarios						
Chemical Name Reported Name CAS Number	: : :	1-OCTADECANOL 112-92-5				
<u>Area Type Subject Spec.</u>	Description	Level / Summary Information	<u>on :</u>			
DEU REC AQ - USE INDST	CLASS RQR	SATURATED FATTY ALCOHOLS WITH AN EVEN- NUMBERED C CHAIN, C NUMBER >= 12, AND A TERMINAL OH GROUP ARE CLASSIFIED AS IN GENERAL NOT HAZARDOUS TO WATER (WATER-HAZARD CLASS: WGK 0). (THE DIFFERENT CLASSES ARE: WGK 3 = VERY HAZARDOUS; WGK 2 = HAZARDOUS; WGK 1 = SLIGHTLY HAZARDOUS; WGK 0 = IN GENERAL NOT HAZARDOUS.) THE CLASSIFICATION FORMS THE BASIS FOR WATER-PROTECTION REQUIREMENTS FOR INDUSTRIAL PLANTS IN WHICH WATER- HAZARDOUS SUBSTANCES ARE HANDLED. <u><i>Title</i></u> : ADMINISTRATIVE RULES CONCERNING WATER-HAZARDOUS SUBSTANCES (VERWALTUNGSVORSCHRIFT WASSERGEFAEHRDENDE STOFFE)				
		<u>Reference :</u> GM	ISMA6, 8, 114, 1990	Effective Date :		
		Ge	meinsames Ministerialblatt. Joi	nt Ministerial Papers		
		Last Amendment :		Entry / Update :	DEC1991	
Substance Chemical Name						
Chemical Name Reported Name CAS Number	:	stearyl alcohol 112-92-5				

<u>Area</u>	<u>Type</u>	<u>Subject</u>	<u>Spec.</u>	Description	Level / Summary Inform	mation :	
GBR	REG	TRNSP AQ AQ	MARIN MARIN EMI	RQR RQR RQR	OF ASSESSMENT AND A SEA IS NOT PROHIBITE Title : THE MERCHAN	-POLLUTING LIQUID SUBSTANCE APPROVAL REQUIRED BY A CARR ED. NT SHIPPING (CONTROL OF POLL IN BULK) REGULATIONS 1987, SCI	EIER. DISCHARGE INTO THE
					<u>Reference :</u>	GBRSI*, 551, 15, 1987	Effective Date : 06APR1987
					Last Amendment :	STATUTORY INSTRUMENTS GBRSI*, 2604, 2, 1990 STATUTORY INSTRUMENTS	Entry / Update : 1992

Substance

	Rep	mical Na orted Na S Numb	ame	: : :	stearyl alcohol 112-92-5			
<u>Area</u>	<u> </u>	<u>Subject</u>	<u>Spec.</u>	<u>Description</u>	Level / Summary Infor	mation :		
USA	REG	FOOD PACK MANUF USE	addit Addit Addit	RSTR RSTR GL RSTR	; SUMMARY - THIS SUBSTANCE INCLUDED ON A LIST OF SUBSTANCES USED TO PREPARE BASE SHEET OR COATING SUBSTANCES FOR CELLOPHANE MUST BE OF A GRADE OF PURITY SUITABLE FOR USE IN FOOD PACKAGING TO IMPART THE DESIRED TECHNOLOGICAL PROPERTIES. ACRYLONITRILE COPOLYMER SUBST ANCES MUST ABIDE UNDER THE CONDITIONS GIVEN IN 21 CFR 180.22 1988. <i>Title_:</i> INDIRECT FOOD ADDITIVES; POLYMERS-CELLOPHANE.			
					<u>Reference :</u>	FEREAC, 42, 14572, 1977	Effective Date :	1977
					Last Amendment :	Federal Register CFRUS*, 21, 177, 1200, 1988	<u>Entry / Update :</u>	NOV1991
					Last Amenument .	Code of Federal Regulations	<u>Entry / Opdate .</u>	10011331
Substance Chemical Name : Reported Name : CAS Number :			: : : : : : : : : : : : : : : : : : : :	1-OCTADECAN 112-92-5				
<u>Area</u>	<u>Type</u>	<u>Subject</u>	<u>Spec.</u>	<u>Description</u>	Level / Summary Infor	<u>mation :</u>		
EEC	REG	FOOD FOOD FOOD		RQR MXL RSTR	THE SUBSTANCE MAY BE USED FOR THE MANUFACTURE OF REGENERATED CELLULOSE FILM WHICH IS INTENDED TO OR DOES COME INTO CONTACT WITH FOODSTUFFS. THE MAXIMUM QUANTITY OF THE SUM OF 1-HEXADECANOL AND 1- OCTADECANOL: 2MG/DM2 ON THE SIDE IN CONTACT WITH FOODSTUFFS. Title : COUNCIL DIRECTIVE OF 25 APRIL 1983 ON THE APPROXIMATION OF THE LAWS OF THE MEMBER STATES RELATING TO MATERIALS AND ARTICLES MADE OF REGENERATED CELLULOSE FILM INTENDED TO COME INTO CONTACT WITH FOODSTUFFS. (83/229/EEC).			T WITH DL AND 1- OF THE RTICLES INTO
					<u>Reference</u> :	OJEC**, L123, 31, 1983		01APR1987
					Last Amendment :	Official Journal of the European C OJEC**, L228, 32, 1986	ommunities <u>Entry / Update :</u>	OCT1987
					Last Amenument .	Official Journal of the European C		0011907